Cytometer Performance Report

Cytometer:	FACSCantoII	User:	Administrator
Cytometer Name:	FACSCantoII	Institution:	N/A
Serial Number:	V33896201821	Software:	BD FACSDiva 8.0.2
Input Device:	Carousel	Date:	03/22/2021 09:30 AM
Tube Loaded Manually:	Yes	Cytometer Baseline:	12/15/2020 11:39 AM
Cytometer Configuration:	Euroflow 3-laser, 8-color (4-2-2)	P/F:	Pass

Setup Beads

Bead Product:	CST Setup Beads	Part #:	910859
Lot ID:	91417	Expiration Date:	03/31/2021
Bead Lot Information:	Available		

Detector Settings

Laser	Detector	Parameter	Target Value	Actual Target Value	% Difference Target Value	Bright Bead % Robust CV	Mid Bead Median Channel	Mid Bead % Robust CV
Blue	FSC	FSC	125000	124284	-1	2.68	124467	2.76
Blue	F	SSC	125000	122209	-3	3.85	123311	3.77
Blue	E	FITC	14203	13729	-4	3.11	299	15.39
Blue	D	PE	25703	25374	-2	2.82	552	11.00
Blue	B	PerCP-Cy5-5	42104	40841	-3	3.66	909	14.73
Blue	A	PE-Cy7	34646	34136	-2	4.90	487	29.65
Red	C	APC	49824	48844	-2	3.05	1501	11.59
Red	A	APC-Cy7	39773	38739	-3	3.10	721	12.05
Violet	B	V450	7447	7158	-4	3.89	396	12.80
Violet	A	V500	31193	30121	-4	3.64	682	10.32

Detector Settings (Continued)

Laser	Detector	Parameter	Dim Bead Median Channel	Dim Bead % Robust CV	PMTV	Δ PMTV	Qr	Br	P/F
Blue	FSC	FSC	22046	2.91	553	-3	N/A	N/A	Pass
Blue	F	SSC	53471	3.33	515	3	N/A	N/A	Pass
Blue	E	FITC	56	51.89	485	-1	0.0395	81	Pass
Blue	D	PE	108	38.51	487	2	0.3275	223	Pass
Blue	B	PerCP-Cy5-5	173	36.16	578	1	0.0193	57	Pass
Blue	A	PE-Cy7	110	66.53	623	3	0.0219	10	Pass
Red	C	APC	348	24.46	569	2	0.0270	108	Pass
Red	A	APC-Cy7	198	25.01	547	3	0.0059	538	Pass
Violet	B	V450	89	40.27	447	-2	0.0440	1321	Pass
Violet	A	V500	121	26.96	465	-2	0.0221	180	Pass

Specifications

PMTV Delta from baseline:	50 (BD)
Violet Laser Primary Channel Bright Bead %Robust CV:	6.00 (Recommended)
Blue Laser Primary Channel Bright Bead %Robust CV:	6.00 (Recommended)
Red Laser Primary Channel Bright Bead %Robust CV:	6.00 (Recommended)

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Laser Settings

Laser	Power (mW)	Power Spec. (mW)	Current (mA)	Current Guidelines (mA)	Delay (Trigger on FSC)	Delay (Trigger on Fluorescence)	Area Scaling Factor
Violet	59.55	47.97 - 71.95	N/A	N/A	-31.84	-31.64	1.10
Blue	20.35	16.27 - 24.41	1.28	0.99 - 1.49	0.00	0.00	1.41
Red	20.23	15.99 - 23.99	N/A	N/A	29.88	30.15	1.20

Window Extension: 7.00
FSC Area Scaling Factor: 0.74

Threshold

Threshold (FSC): 10157

Fluidics

FACSFlow Pressure: 3.90 Sample Pressure: 3.60
Spec.: 3.80 - 4.00

Comments